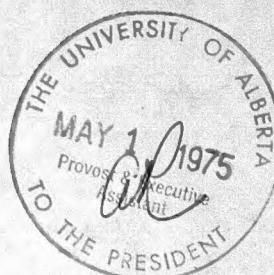


# FOLIO

THE UNIVERSITY OF ALBERTA STAFF BULLETIN

EDMONTON, ALBERTA



MAY 1, 1975

The Essential Services 1:

## "Crossroads of Civilization"

*This is the first in a series of articles which will deal with the various support and service departments of the University. The articles will appear periodically during the next several months.*

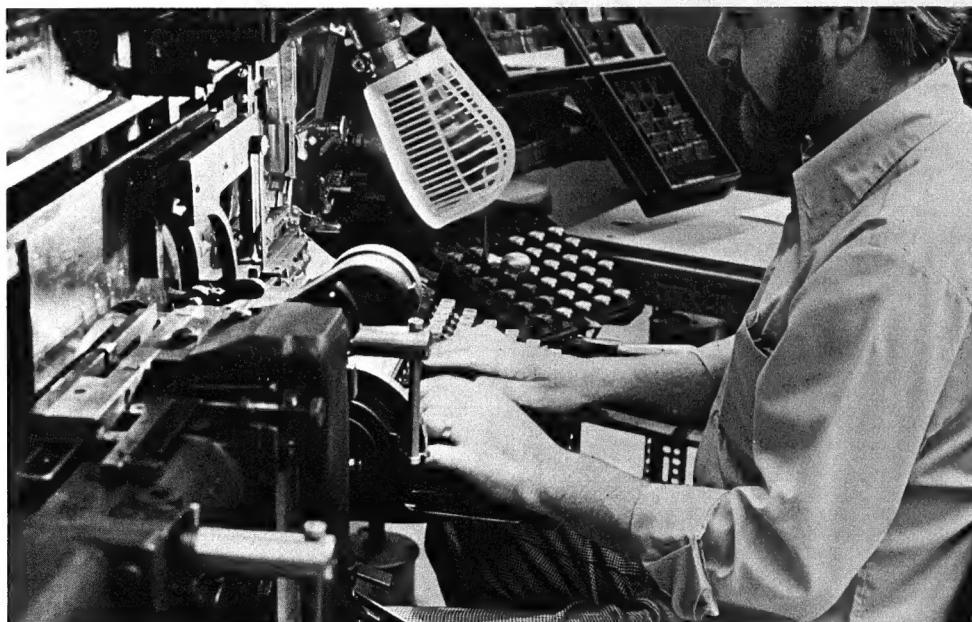
Walking down the hallway in the basement of the Printing Services Building toward the press-room, your attention is caught by a poster on the left.

Crossroads of civilization  
Refuge of all the arts  
Against the ravages of time  
Armoury of fearless truth  
Against whispering rumour  
Incessant trumpet of trade

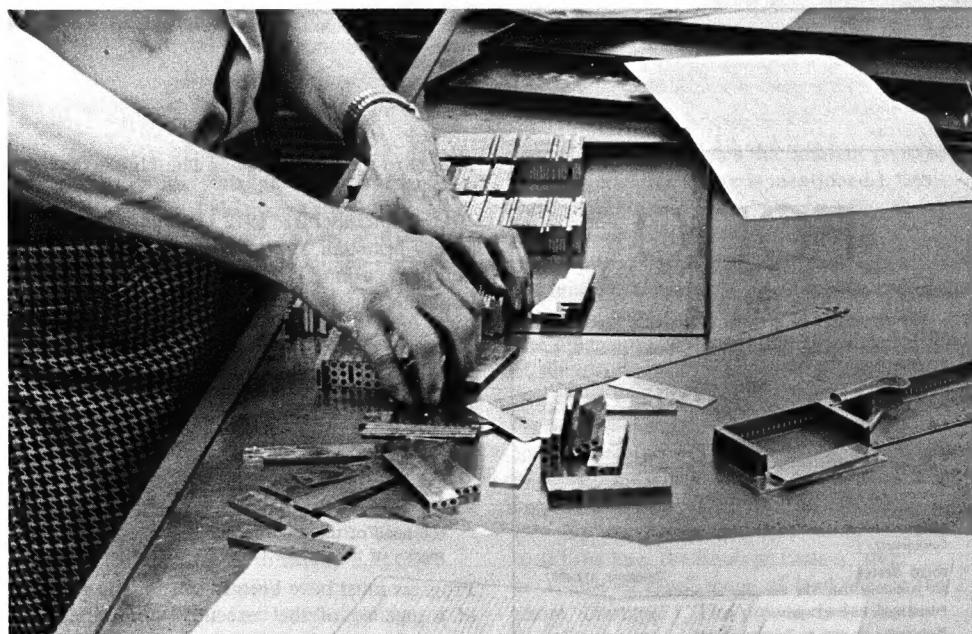
From this place words may fly abroad  
Not to perish on waves of sound  
But to vary with the writer's hand  
But fixed in time having been verified by  
proof  
Friend, you stand on sacred ground  
This is a Printing Office.

For all its loftiness, the poem states the truth. Printing is *the* means of communicating to the literate world. Unlike many forms of communication, printing is not ephemeral. It serves as a permanent record of an event, an idea, an experiment, a thesis, a plot, and thousands of elaborations thereof. Without it most institutions as we know them—including universities—would not and could not exist.

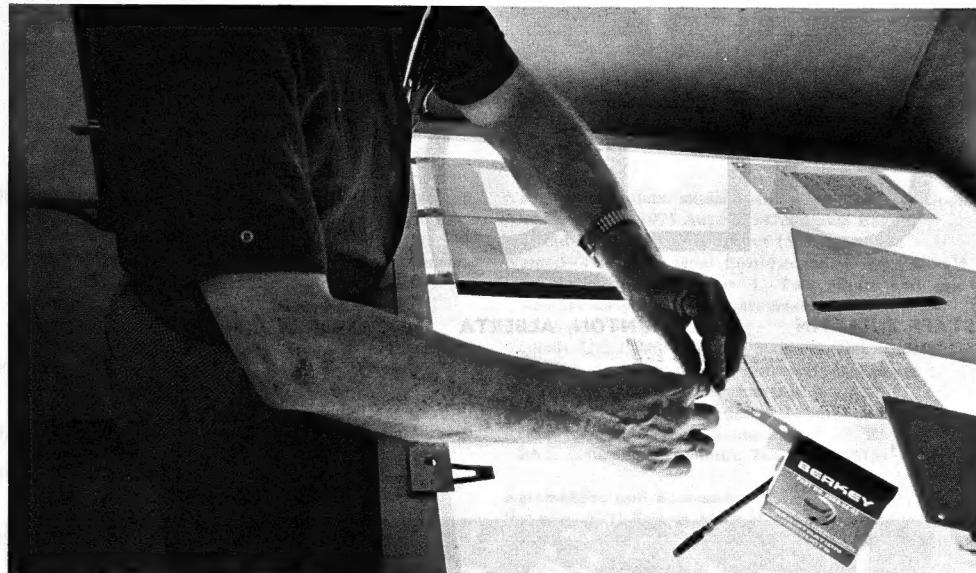
No small proportion of the vast amounts of printed materials appearing on this campus every year emanates from Printing Services. Printing Services, which includes both Printing and Duplicating, is responsible for the production of that lab manual used in Chemistry courses, of the Calendars which tell students and staff just what programs and courses are offered in a given faculty in a given year, of the many class handouts which professors use to supplement texts, and, not least of all, the publication you are reading at this time. The list is very long and impressive. More than anything it points to the fact that Printing Services has a tradition dating back



*A linotype operator sets "slugs," or lines of type on a linotype.*



*Slugs from the linotype are assembled prior to pulling a galley proof.*



*Camera-ready layouts are completed prior to being photographed*



*A photographic plate is prepared.*

# FOLIO

THE UNIVERSITY OF ALBERTA, EDMONTON, ALBERTA

Published every Thursday for the staff and interested persons by the University Publications Office. Copyright 1975.

Marcy Davies, Editor

*FOLIO* Policy Committee: E.D. Hodgson (Professor of Educational Administration), J.W. Carmichael (Professor of Bacteriology), and Aymer A. Ryan (Provost and Executive Assistant to the President)

Staff: Jeanette Rothrock (Publications Officer), David Norwood (Writer), Norma Gutteridge (Copy Editor), Arlene Holberton (Editorial Assistant), Chris Standing (Editorial Assistant), Richard Kerr (Design Editor)

Business Manager: A.S. Knowler (Chief Accountant, Office of the Comptroller)

FOLIO OFFICE Telephone 432-4991  
326 Assiniboia Hall, The University of Alberta  
Printed by the Printing Department  
Photographic lab work by Technical Services

almost to the beginnings of The University of Alberta.

On September 11, 1912 University President Henry Marshall Tory wrote to a Winnipeg company, asking it to send "one Direct Pony Fountain suitable for a Challenge Gordon Press. The price quoted in the catalogue is \$10. Please send same by Dominion Express."

The minutes of a meeting of the Board of Governors dated Saturday, March 16, 1918 include a comment that

the Bursar reported progress with respect to the proposed purchase of a press for the printing department. He was directed to further consult the head of the department regarding the relative merits of the presses under consideration.

Progress must have been made, for the records of a meeting of the "executive committee" (presumably at that time there was only one) held January 26, 1920 state that

the question of buying a new press for the printing department was considered . . . [and] as it seemed advisable . . . we should order the no. 1 Pony Michle at the quoted price of \$4,250 f.o.b. Winnipeg and accept the offer of Toronto Type Foundry Co. Ltd., for an allowance of \$500 for our Cottrell Press.

In a period of about ten years the printing department had progressed through at least three presses of varying degrees of sophistication. Apparently it had no trouble justifying its existence to the University, even in times of depression.

The historical record of Printing Services during the next four decades is scanty. One article in the January 1943 issue of *The New Trail* celebrated the opening of Printing's new "temporary" location behind the present Civil-Electrical Engineering Building and the Dentistry-Pharmacy Centre.

How they have accomplished in their narrow quarters and cramped space [this referred, presumably, to the pre-temporary facilities] what they have accomplished, Heaven only knows. Year by year University calendars and examinations, dance programs, *Gateways*, and even Christmas cards pour from the presses—all fine work, and like the graduation diplomas calling for taste and careful printing. But these are not a tenth of the product of the shop . . .

*The New Trail* . . . hopes the printers will find their new quarters pleasant and agreeable, if also "temporary." We predict they will soon outgrow them, for this University cannot stand still. It must advance and grow; and as it grows, it will lean more and more upon the service of the Press.

The "temporary" quarters were indeed temporary when placed into the *total* context of the University's history: the University's sixty-ninth year commences July 1, 1975, and Printing remained in its temporary quarters only 25 years. Somehow, it managed to increase its staff and output between 1943 and 1967 (when it moved to the new Printing Services Building on the western edge of the campus), almost in defiance of normal physical laws. The 1943 move was an expansionary step with respect to what had gone before, but almost immediately the new facilities were being used to capacity.

A 1951 response (taken from the University Archives) from Printing Services to a questionnaire (source unknown) indicates that Printing was indeed fulfilling a needed role on the campus; it also showed, incidentally, that inflation is nothing new. For example:

(6) Yes. It definitely pays to own one's own typesetting equipment.

(7) We are convinced that the press is enough of an asset to warrant the initial capital outlay on the grounds of convenience as well as of economy. Of course our machinery was nearly all purchased at a time when costs were substantially lower than they are now . . .

This covers the answers to your specific questions, but I might add that our staff consists of 12 persons . . . [and] we need an additional press man to work as a feeder . . . Our manager

estimates that it would cost nearly \$200,000 at present-day prices to replace our equipment. The larger press we need would probably cost \$50,000 and another \$25,000 might be spent to advantage in new machinery or in replacements.

Today, Printing Services employs about 60 people in its two divisions—40 in Printing, 20 in Duplicating. It occupies the better part of two floors of the Printing Services Building and—the story never really changes—it would dearly love more space in more efficiently designed facilities.

"Our problem right now is, mainly, space," says J.R.T. Grant, Co-ordinator of Printing Services. "Although this building was called 'Printing Services' from the start, it was never really designed as a printing building. For example, it doesn't lend itself to a smooth production flow. We have to store the bulk of our paper stock at Central Stores' west-end warehouse, then transport it to our plant as required. Double handling like this is inefficient—ideally the whole printing operation should be on one floor."

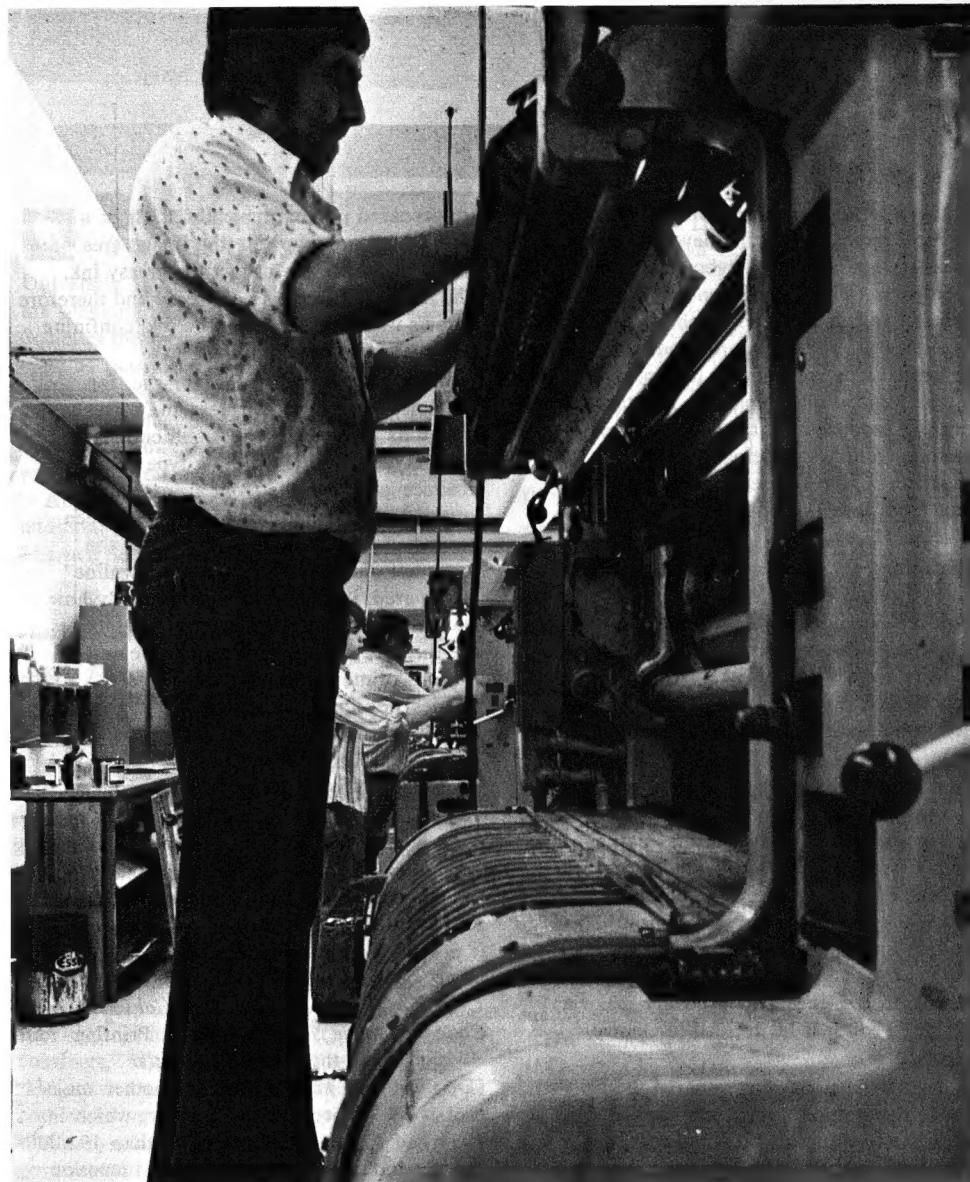
However, as Mr. Grant points out, Printing does not fill its time grumbling about space problems. It is usually too busy to be preoccupied with physical expansion; like many other service and academic departments it is proving continuously that both quality and quantity can be combined effectively in an operation which planners say could never be achieved, given the space and staff constraints.

Printing Services exists for the benefit of the University. Its two divisions can handle virtually any printing need, from a single-sheet handout to a multi-volume book set. About the only thing it cannot provide is the source material to be printed: the ideas and their embellishments are the responsibility of the clients.

The starting point for any customer is the basement of the Printing Services Building for Printing, or the first floor for Duplicating. If the client has difficulty knowing which of the two divisions his project belongs to, either office will set him straight. Then a docket is prepared, when and if the customer has approved the cost *estimate*. "We always need an account number—a regular account or a trust account—except in the case of students, who pay cash," says Mr. Grant. "We have a fundamental policy that all jobs must be funded from the same source as the University. Work not falling under this category is referred to the Vice-President (Finance and Administration) for approval."

There are some off-campus jobs, principally from the Provincial government, but the vast bulk of Printing's work comes from the University.

Estimates for printing jobs are prepared by Bill Moser, while duplicating jobs are the



Pressmen attend to some of the offset presses in the printing plant.

responsibility of Don Parsons. Both individuals are totally familiar with the work processes of their respective divisions, and with the equipment and supplies which will be used for a particular job. It isn't as simple a matter as it once was, because there is more than one type of process which can be used, and an almost infinite variety of materials which can be used—kinds and weights of paper; one-, two-, three-, or four-color printing; and enough typefaces to make even the most sophisticated publication designer stop to wonder which one is best.

"In February," says Walter Wilson, supervisor of the Printing division, "Central Stores called for tenders to supply 1,721,000 sheets of paper. This supply will cover requirements for only five types of paper for one year. Our inventory includes more than 450 different kinds of paper stock." (One

immediately appreciates the inherent problems of storage as this figure is mentioned.) "As well," continues Walter, "we can offer a customer about 400 kinds and sizes of typeface—both linotype and phototypesetter."

Linotype, a principle involving the use of hot metal to set type, was developed in the late nineteenth century. Until the introduction of photocomposition, linotype or one of its variations was the most popular method of typesetting. The operator sits at a keyboard, specially designed for typecasting. The length of each line and the kind of typeface have been predetermined by the customer and Printing. As the operator hits enough keys to fill the line, the linotype casts a "slug," or a "line of type" made of lead (hence the name "linotype"). The process is far faster than hand-setting of type, the only method available prior to the linotype.

Phototypesetting, or photocomposition, is the most recent typesetting development. It consists essentially of a keyboard (input), a computer (which makes end-of-line decisions such as hyphenation), and a photo-unit (typesetting). The keyboard produces perforated tape very similar in appearance to that seen on player pianos. The tape is coded to produce a particular character. Phototypesetting's principal advantage is its speed: one photo-typesetter can process the input from three keyboards working at full capacity.

Printing Services has two linotype machines and two photosetters. More and more work is being done with the phototypesetters, although neither machine is being utilized to capacity as yet (one of the output units, an early model, is much slower than the other, though both are faster than the linotype).

Once the material has been typeset a "galley proof" is prepared and given to the customer, who then checks it and makes corrections, both grammatical and editorial. Editing the material, by the way, is the customer's job, not Printing's "We don't edit the work," says Walter Wilson, "we simply print it." Yet this isn't to say that an astute typesetter won't correct an obvious typographical error. He will; in fact that he'd probably make a very good editor if he decided to change careers.

Once the customer has returned the galley proofs, the material is corrected and laid out in the form it will finally appear; this is the "page proof" stage (in many cases the layout is determined. For example, the Publications Office completes all layouts before returning first proofs to the Printing office). After the page proof stage, corrections become expensive, so it is best to make them at this time.

The corrected page proofs are used to make a photographic negative of the final copy which will be used to make a plate for the press. The negative is used to make a "brownline", so called because the copy produced is brown. Changes still can be made at this stage, but are vastly more expensive and involve cutting into the negative.

Two types of presses are used by Printing Services: letterpress, a modern version of the technique developed by Gutenberg, and offset lithography, the most recent of printing developments. Letterpress, which is best exemplified (and simplified) by the rubber stamp, is used most often by the Printing division to produce such items as tickets, linotype proofs, envelopes, and other jobs involving items of a short run nature. Offset is used for longer runs and color work. Its plates (that is, the images to be printed)

are prepared photographically. Parts of a plate which are to print (the image area) are greasy and therefore attract the greasy ink. The non-image area is not greasy and therefore attracts water which repels the ink, confining it to the image area only.

Some jobs use both presses. *Folio*, for example, uses both letterpress and offset during its production stages. All copy is set by linotype, and the resulting type is used to produce galley proofs from a proofing letterpress. When all corrections have been made and page proofs have been set, the pages are photographed and a "brownline" is prepared; it shows *Folio* staff exactly how the finished product will look. Offset plates are then prepared from the negative and *Folio* is printed on one or more offset presses, depending on its size. From the time it goes down to Printing Services for the first time (Thursday and Friday), *Folio* takes almost five working days to produce.

The Publications Office is one of the larger users of Printing Services, according to Printing estimator Bill Moser. Its two principal publications, *Folio* and *New Trail*, totalled about 514,000 copies in 1974; in addition it produces regular publications for other departments—*Agricultural Bulletin*, *The Canadian Journal of Sociology/Cahiers Canadiens de Sociologie* (both Printing division), and the *Boreal Newsletter* (Duplicating), among others. Another major user is the Office of the Registrar, which in 1974 had Printing produce more than 191,000 faculty and school calendars, not to mention registration forms, brochures and other materials. Other extensive users include the Office of the Comptroller, the Department of Extension, Personnel Services and Staff Relations, and the Department of Physical Plant.

The Duplicating operation is an equally important division of Printing Services; it accounted for more than one-third of Printing Services' output in 1973-74. Like the Printing division, Duplicating is encountering space problems, yet its output also is increasing in defiance of apparent physical constraints.

"Duplicating is highly automated," says Dan Mazeppa, supervisor of the division, "mainly because of the nature of the work. More than 90 percent of the work we produce is on 8½" x 11" paper." Duplicating produces work which is perhaps less permanent than that produced by Printing; it is less sophisticated in that it does not require typesetting or photoengraving. But its quality is as good as can be obtained, and it is relatively fast. "Even that is a dangerous statement," says Dan, "because we have no 'average' time for production. We have heavy

months, usually from June to September, because we are producing the manuals needed by various academic and service departments."

Duplicating prepares virtually every laboratory manual used on the campus, as well as service manuals, classroom handout sheets, newsletters, and many posters. It uses an offset printing method which incorporates photographically prepared plates. The plates are a relatively new development in the duplicating process. Before they were available, the material to be printed had to be typed onto a "master," coated with a sensitive material, which was fitted onto the press cylinder. Now, any well-typed (or otherwise prepared) copy is placed into a photoprocessing unit, where it is photographed and developed, producing a master copy in minutes. The newer machines will accept masters automatically (in the past the machine had to be stopped and the master rolled on the cylinder by hand), and reject them after a pre-set number of copies have been produced. There is also automatic collating (up to 50 sheets) and stapling. Other forms of binding are available as well.

When asked if any particular problems with customers stand out, Walter Wilson of Printing and Dan Mazeppa of Duplicating cited a general unawareness of the amount of time needed to produce a finished work. "We can do rush jobs," comments Walter, "but even rush jobs require time. We have regularly scheduled jobs which must appear by a given date, and we schedule other projects around them. Occasionally we can pull a job off a press and put a rush job on, but we'd rather not." Dan Mazeppa agrees. "It's almost impossible to *schedule* work in Duplicating. Mind you, a project will be completed more quickly if it's brought to us during a slower production period."

A familiar—not to say intimate—acquaintance with Printing Services for more than a year on the part of this writer has failed to turn up any "unbusy" time. Obviously, "slow" and "busy" are relative terms. Like any group of people working in a service operation, those people at Printing Services are much more aware of their own capacities than any outsider. To the lay person, the printing plant can seem incredibly busy on a given day, yet those working there will acknowledge it as slower than usual. For the vast majority of jobs completion on schedule, if not in advance, can be expected. "No printer appreciates customers who regularly insist on work required yesterday," says Mr. Grant. "If for any reason we cannot provide the service, it is our policy, where we can, to sub-contract work of this nature; failing that we direct the customer to other suppliers. Most of

our customers understand our limitations just as we understand their needs. It rarely *doesn't* work out."

Every member of the University community is encouraged to make use of Printing Services. It has the facilities to help just about anyone: from Xerox copiers to the massive Miller Press (which will produce up to 30,000 impressions a day in two colors); and from printing tickets to hardcover books. It takes time, patience, and money, but one must remember that the result is, as the words on the poster say: "fixed in time having been verified in proof." In other words, it's worth the effort to have the job done well.

—DCN

#### CEDRIC J. LOWE 1930-1975

- Cedric J. Lowe, Professor and Chairman of the Department of History, was killed in an auto accident Saturday, April 26, 1975. Born in Bath, England in 1930, he received his BA with honors in medieval and modern history from University College, London in 1952. Two years later he obtained a PhD from the London School of Economics. Dr. Lowe lectured in history at the University of Durham from 1954 to 1962, and then at the London School of Economics. In 1968 he left London for Edmonton, where he was appointed Professor of History at The University of Alberta. He became Chairman of the Department of History in 1973.
- Dr. Lowe specialized in British foreign policy and international affairs, and in modern Italian history. He authored *Salisbury and the Mediterranean* (1965), co-authored *The Reluctant Imperialists* (1967), a two-volume study, and co-authored *Italian Foreign Policy 1870-1940*, just released. His current research involved foreign policy of the great powers in the last half of the nineteenth and first half of the twentieth centuries.

Paying tribute to Dr. Lowe, Brian Evans, Professor of History and Associate Dean of Arts, said, "Professor Lowe was an internationally renowned authority on diplomatic history. He will be remembered by his colleagues and by his students not only for his scholarship but for his wit and quiet charm."

#### PEOPLE

- J.P. Das, Director of the Centre for the Study of Mental Retardation and Professor of Educational Psychology, has been elected a Fellow of the Canadian Psychological Association in recognition of his contributions to the advancement of Canadian psychology.

#### STAFF URGED TO PRE-REGISTER

University of Alberta staff and students who are planning to attend any of the Learned Societies meetings are asked to register as soon as possible. Given the large number of registrations received to date and the number of in-person registrations anticipated, the organizers would appreciate receiving as many pre-registration forms as possible.

Anyone requiring a registration form or additional information is asked to phone the Learned Societies office at 432-5298.

#### NOTICES

##### ONE DAY CONFERENCE ON COMPENSATION AND INFLATION

The Department of Extension in co-operation with the Edmonton Personnel Association is presenting a one day conference on "Compensation and Inflation" to be held from 9 a.m. to 4:30 p.m. May 14.

The conference has been organized to give personnel practitioners some realistic and timely information on current practices in dealing with the ravaging effects of inflation on compensation plans. It will be presented in four sections under the titles: "Opening union contracts," "Compensation and recruitment," "Executive compensation in Canada," and "The cost of living index—is it reliable?" There will be speakers from the University, government, and private industry.

The fee is \$75 including luncheons and materials, and registrations are now being accepted at the Department of Extension, 432-5066 or 432-5067.

##### THE SHIP: SUMMER HOURS

The Ship in Lister Hall is licensed to sell beer and wine only. During the summer months, beginning May 7 and up to and including August 29, it will be open Monday through Thursday 6 to 11 p.m. and on Friday 4 to 11 p.m.

All staff and students and their friends are invited to avail themselves of the facilities offered. Limited food service is available during those hours.

##### SPRING CONVOCATION AT ST. STEPHEN'S

The Senate of St. Stephen's College has announced that its fifty-second annual Convocation is to be held in Knox-Metropolitan United Church at 8 p.m. Monday, May 12.

The degree of Doctor of Divinity (Honoris Causa) will be conferred upon the Reverend Charles B. Hickman of Drumheller, Alberta;

the Reverend N. Dermott McInnes of North Vancouver, British Columbia; Mrs. Florence Scoffield of Edmonton, Alberta; and Dr. Morley Young of Lamont, Alberta.

The guest speaker will be the Reverend Dr. Peter Ream of the First United Church, Fort Saskatchewan. The program of this year's Convocation will emphasize both the Fiftieth Anniversary of the United Church of Canada and the Continuing Education program of St. Stephen's College.

##### OFFICE TO CLOSE FOR HALF DAY

The Publications Office will be closed Monday, May 5 from 8 a.m. to 12:30 p.m. due to an electrical shutdown. Cancellations of advertisements, usually accepted no later than 9 a.m. Mondays, will be accepted as late as 4 p.m. May 5.

##### INTERDISCIPLINARY SEMINAR TO BE HELD

A seminar will be presented at 2 p.m. Thursday, May 8 in Tory Building B-45, conducted by Lars Munck, Research Manager at the Carlsberg Research Laboratory in Copenhagen. The seminar will be an interdisciplinary one entitled "The development and use of high-lysine barley—establishing symbiosis between the plant organism and man."

Dr. Munck was formerly at the Institute of Genetics at the University of Lund, Sweden and at the Swedish Seed Association at Svalof in charge of the development of nutritional quality in plants. He has an extensive background in biochemistry and genetics.

During his stay in Edmonton Dr. Munck will be the guest of the Faculty of Agriculture and Forestry, where he will be visiting the Departments of Animal Science and Plant Science.

#### THIS WEEK AND NEXT

*Listings must reach the Editor by 9 a.m. the Friday prior to publication. Written notification is preferred. Compiled by Arlene Holberton, 432-4991.*

##### 1 MAY, THURSDAY

###### 'Music at the Gallery'

8 p.m. A trio including Robert Everett-Green on oboe, Marcello Epstein on recorder, and Eileen Keown on harpsichord in a concert featuring music from the baroque, classical and modern periods. Edmonton Art Gallery. Admission free.

###### Organ Recital

8:30 p.m. Gillian Weir, noted British organist, will give a recital at All Saints' Cathedral, 10035 103 Street. Tickets from the Cathedral

Office or at the door. Adults \$3, senior citizens and students \$1.

## 2 MAY, FRIDAY

**Downstairs.** Flan night. Vichysoisse, ham and mushroom flan, kipper and egg flan, Italian flan, endive salad, strawberry almond flan, \$3.75. Entertainment by Phase II.

**Upstairs.** Lobster, \$10. Regular dinner menu served 6 to 10 p.m.

## 3 MAY, SATURDAY

### Western Conference on Green Paper

2 to 5 p.m. Western Conference on the Green Paper on Immigration, sponsored by the Indo-Canadian Society. Written briefs welcomed. 231A-237A Law Centre.

### Public Forum and Panel Discussion

2 p.m. Topic: Green Paper on Immigration. Panelists will discuss the Green Paper and ethnic groups. Sponsored by the Chinese Graduates Association of Alberta, 142 Students' Union Building. Admission free. Everyone welcome.

### 'Music at the Gallery'

3 p.m. "Next Day Hill" will be featured in another jazz concert co-presented by the Edmonton Jazz Society. Edmonton Art Gallery. Admission free.

### Edmonton Symphony

8:30 p.m. and 4 May, Sunday at 2:30 p.m. The University of Alberta String Quartet: Thomas Rolston and Lawrence Fisher, violinists; Michael Bowie, viola; and Claude Kenneson, cello. Symphony no. 10 for strings, Mendelssohn; Concerto for String Quartet and Orchestra, Lees; Symphony no. 2, Brahms. Jubilee Auditorium.

## 4 MAY, SUNDAY

### Television Program 'In Touch with U'

And every Sunday, 5 p.m. A program to introduce the University to the community at large. CITV channel 13, cable 8.

### Country and Western Music

7 p.m. Statler Brothers and Hank Snow. Jubilee Auditorium. Tickets from Mike's.

## 7 MAY, WEDNESDAY

### Edmonton Chamber Music Society

8:30 p.m. The Borodin Quartet with Rostislav Dubinsky and Yaroslav Alexandrov, violins; Dimitri Shebalin, viola; Valentin Berlinsky, cello. Quartet, op. 3, Alban Berg; Quartet in B-flat, KV 589, Mozart; Quartet in F, op. 59, no. 1, Beethoven. Convocation Hall. Members only.

## 8 MAY, THURSDAY

### Interdisciplinary Seminar

2 p.m. "The development and use of high-lysine barley—establishing symbiosis between the plant organism and man" by Lars Munck, Research Manager, Carlsberg Research Laboratory, Copenhagen. Sponsored by the Faculty of Agriculture and Forestry. Tory Building B-45.

### 'Music at the Gallery'

8 p.m. Guitarist Peter Higham, flautist Harlan Green and violist Nick Pulos will play pieces by David, Almeida, and Telemann in a concert featuring them in solo, duet and trio arrangements. Edmonton Art Gallery. Admission free.

## 9 MAY, FRIDAY

### Faculty Club

**Downstairs.** Hour generosity, 6 to 7 p.m. Ends of wine specials. Barbecued brochettes, rice pilaf, spinach salad, fruit compote, \$4.25. Entertainment by the Sound Investment. **Upstairs.** No regular dining this evening.

## 10 MAY, SATURDAY

### Faculty Club

**Downstairs.** Salad buffet. Choice of cold meats, salads, relishes, hot bread, black forest cake, \$4. Entertainment by folk singer Luis Marianyk.

**Upstairs.** Regular dinner menu served 6 to 10 p.m.

### Edmonton Symphony Society

8:30 p.m. Concert with the Kiwanis winners. Jubilee Auditorium. Tickets from McCauley Plaza Box Office, 422-4411, Kiwanis members and at the Jubilee Auditorium until 2 May.

## EXHIBITIONS AND PLAYS

### Edmonton Art Gallery

Until 4 May. "Tilt: pinball machines 1931-1958." Learn the finer points of flipper control and gunning; see the difference between mushroom bumpers and thumper bumpers; watch out for the ominous "tilt," while the Dunlop Gallery's exhibition is in Edmonton. Until 13 May. A collection of abstract works on paper by Prairie artists.

Until 22 May. "Canadian Canvas." A cross-country art exhibition featuring 85 paintings by 46 artists selected from five different regions of Canada. Sponsored by Time Canada Ltd.

### Latitude 53 Gallery

Until 2 May. "A selection of Alberta art," and works by artist David Crockett. 10048 101A Avenue. Hours: 12 to 5 p.m. Tuesday to Saturday.

## Provincial Museum

Until 31 May. "Early Arts of Latin America." A collection of art objects from Latin America representing different styles and periods of cultures. 12845 102 Avenue, Feature Gallery number 2.

Throughout the summer. "Treasures of the Orient." A valuable collection of Chinese bronzes and jades, Japanese swords and ceremonial objects—some pieces 2,500 years old. 12845 102 Avenue, Feature Gallery number 1.

## Meadowlark Shopping Mall

Until 3 May. Paintings and other works of art by Canadian women artists with display materials describing and evaluating the role and contributions of women in the field of the visual arts. Sponsored by the Extension Services of the Edmonton Art Gallery and the Jasper Place Branch of the Edmonton Public Library.

## Citadel Theatre

Until 24 May. Curtain times: 8:30 p.m. and Saturday matinee at 2:30 p.m. *The Alchemist*. For tickets call the Box Office, 424-2828.

## Citadel Lunchtime Theatre

7 May. 12:10 p.m. Program to be announced. Bring your own lunch. 10026 102 Street. Admission \$1.

## Theatre 3

Until 4 May. A new and revolutionary presentation of the Classical Greek tragedy, *Orestes*. Directed by Mark Schoenberg and designed by Richard Roberts. Appearing in the cast are Judith Mabey as Electra, Howard Dallin as Orestes and Jeremy Hart as Pylades. Centennial Library Theatre. Tickets on sale at McCauley Plaza Box Office, 422-4411.

## GRADUATE SCHOLARSHIPS AND AWARDS

Notices regarding other awards and scholarships are posted in the Student Awards Office, 219 Central Academic Building. All inquiries should be directed to L. Henderson, Administrator of Student Awards, 432-3495.

### Entomological Society of Canada

#### Postgraduate Award, 1976

**Value:** \$500 for 12 months. **Where tenable:** any Canadian university. **Level of study:** postgraduate.

**Field of study:** Entomology. **Number:** one.

**Duration:** commences on or after May 1976 but not later than the date on which the academic year begins; for 12 months. **Conditions:** applicants must be Canadian citizens or landed immigrants. Landed immigrants must have a degree in science from a Canadian university. The award is conditional until the recipient has provided evidence that he, or she, has been accepted by a graduate school to engage, during the 1976-77 academic year, in a program of study and research for an advanced degree with full graduate student status. **Apply to:** Dr. N.S. Church, Secretary, Entomological Society of Canada, c/o

Research Station, Agriculture Canada, Saskatoon, Saskatchewan S7N 0X2. *Closing date:* December 15, 1975.

#### Commonwealth Scholarships, Ghana, 1975

**Value:** travel expenses, living and study costs of scholar during tenure of the award. **Donor:** The Association of Universities and Colleges of Canada. **Where tenable:** Ghana, October 1975. **Level of study:** postgraduate. **Field of study:** limited to facilities available. **Number:** variable. **Duration:** normally two academic years. **Conditions:** men and women who are citizens of Canada to pursue postgraduate study; candidates must have graduated from a recognized university or hold equivalent qualifications; age limit normally 35; candidates must return to their own country upon completion of study; candidates must have a good knowledge of written and spoken English. **Apply to:** The Canadian Commonwealth Scholarship and Fellowship Committee, c/o The Association of Universities and Colleges of Canada, 151 Slater Street, Ottawa, Ontario K1P 5N1. *Closing date:* May 16, 1975. (Intending applicants should first see the receptionist in the Student Awards Office.)

#### Commonwealth Scholarships, India, 1975

**Value:** travel expenses, living and study costs of scholar during tenure of the award. **Donor:** The Association of Universities and Colleges of Canada. **Where tenable:** India from June/July 1975. **Level of study:** postgraduate. **Field of study:** unrestricted. **Number:** variable. **Duration:** normally two academic years, may be extended to three years. **Conditions:** men and women who are citizens of Canada to pursue postgraduate study; candidates must have graduated from a recognized university or hold equivalent qualifications; age limit normally 35; candidates must return to their own country upon completion of study; candidates must have a good knowledge of written and spoken English. **Apply to:** The Canadian Commonwealth Scholarship and Fellowship Committee, c/o The Association of Universities and Colleges of Canada, 151 Slater Street, Ottawa, Ontario K1P 5N1. *Closing date:* May 16, 1975.

## Own your own condominium

Down payments from \$1,620  
One- and two-bedroom units  
located minutes from the University

For further information please call  
George Lucas  
Office 488-0967, Res. 433-4162  
**Wilroy Real Estate Ltd.**

## POSITIONS VACANT

### NON-ACADEMIC STAFF

*To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 121 Administration Building, telephone 432-5201. Please do not contact the department directly.*

Clerk Typist I (\$467-\$576)—Office of the Comptroller  
File Clerk (\$505-\$627)—Office of the Registrar  
Clerk (\$467-\$576)—University Health Services  
Clerk Typist II (\$505-\$627)—Household Economics; Political Science; Office of the Registrar  
Clerk Typist II (term) (\$505-\$627)—Personnel Services and Staff Relations  
Clerk Typist II (temporary) (\$505-\$627)—Printing  
Clerk Typist III (\$576-\$713)—Physics (Nuclear Research)  
Clerk Steno I (\$485-\$599)—Economics  
Clerk Steno II (\$527-\$653)—Office of the President; Boreal Institute; Extension  
Clerk Steno III (\$599-\$744)—Mineral Engineering; Plant Science; Chemistry  
Clerk Steno III (term) (\$599-\$744)—Faculty of Science  
Secretary (\$683-\$853)—Centre for Advanced Study in Theoretical Psychology; Office of the Vice-President (Planning and Development)  
Senior Clerk (\$576-\$713)—Physical Plant; Parking Services  
Administrative Clerk (\$713-\$891)—Chemistry  
Student Record Processing Clerk (\$627-\$779)—Faculty of Education (2 positions)  
Keypunch Operator (\$599-\$744)—Office of Administrative Systems  
Nursing Assistant (\$599-\$744)—University Health Services  
Dental Assistant (trust) (\$551-\$683)—Dentistry  
Biochemistry Technician (half-time) (\$300-\$400)—Surgery  
Chemical Technician I (\$713-\$891)—Chemical Engineering  
Laboratory Technologist I (\$779-\$975)—Provincial Laboratory  
Technician III (Shop Supervisor) (\$932-\$1,171)—Zoology  
Photographer II (\$713-\$891)—Audiovisual Media Centre  
Technician II-III (Metallographic) (\$814-\$1,171)—Mineral Engineering  
Engineering Technologist IV (\$1,171-\$1,474)—Physical Plant  
Engineering Technologist III (\$1,020-\$1,283)—Physical Plant  
Machinist Technician II (\$853-\$1,068)—Chemical Engineering  
Administrative-Technical Assistant (\$853-\$1,068)—Romance Languages  
Draftsman II (\$814-\$1,020)—Physical Plant  
Technical Assistant (\$650)—Biomedical Engineering  
Storeman II (\$683-\$853)—Chemistry  
Analyst (\$1,171-\$1,474)—Computing Services

*The following is a list of currently available positions in the University Libraries. The bulletin board postings in the Library Personnel Office, 516 Cameron Library should be consulted for further information as to position requirements and availability.*

Library Clerk II (\$527-\$653)—Circulation (2 positions)  
Library Assistant I (\$627-\$779)—Education  
Analyst Trainee (\$932-\$1,171)—Systems  
Library Assistant II (\$712-\$891)—Circulation

### OFF-CAMPUS POSITIONS

#### University of New Brunswick—Temporary Appointments in the Department of Business Administration

**Duties:** appointments will be made at the rank of lecturer who will teach in an undergraduate degree program. The teaching load is nine hours per week. The appointments will be for one year and may be renewed for a second year. The academic year extends approximately from September 1 to May 1.

**Qualifications:** MBA or equivalent in Management or Accounting. **Salary:** according to qualifications and experience. Travel assistance is available for moving to Fredericton. **Apply to:** Chairman, Department of Business Administration, University of New Brunswick, Fredericton, New Brunswick E3B 5A3. Applicants should forward their résumés, a copy of their transcripts, and the names of three faculty references. The appointments will commence July 1.

## PERSONAL NOTICES

*All advertisements must be received by 9 a.m. the Friday prior to publication. Rate is 15 cents per word for the first week, and 5 cents per word for subsequent weeks ordered before the next deadline. Minimum charge is \$1. Ads must be paid in advance. We regret that no ads can be taken over the telephone. For order forms or further information, telephone 432-4991.*

#### Accommodation available

For rent—July 30, 1975-June 30, 1976. Furnished or unfurnished 3-bedroom house. Double garage, extra bedroom and bath in basement. Twenty minutes from campus. \$375. 469-5265 evenings.

For rent—September 1975-July 1976. Fully furnished 3-bedroom house, ravine lot, Lynwood, 2 fireplaces, family room, garage, fifteen minutes—University or downtown. \$400 per month. 489-0873, Forsyth.



## May Day Plus One

Faculty Club  
Friday, May 9

#### Downstairs:

\$ 3.75

**Menu:** Vichyssoise, Ham and Mushroom Flan, Kipper and Egg Flan, Italian Flan, Endive Salad, Strawberry Almond Flan

#### Entertainment: Phase II

**Upstairs:** Lobster \$10.00  
Also Regular Dinner Menu  
Reservations Required Please

For sale—St. Albert, 20 minutes to University. Nu-West built concord model, executive quality, 2-year-old large bi-level, attached double garage, 1,989 sq. ft. fireplace, all carpeted, landscaped, finished basement, 4-bedroom, 2½ baths, aluminum siding. Builder currently selling for \$72,000 plus. Owner leaving Edmonton, therefore asking only \$66,000, 9% mortgage. 458-0760 after 5 or weekend.

For rent—from July 1, 1975 to September 12, 1975. Furnished house Ottewell district. Rent \$300/month. Telephone 465-1152 evenings.

For rent—June 9-August 10. Furnished three-bedroom house near University. 11263 73 Avenue. \$225/month. Telephone 434-9140.

For sale—Classic home, ideal location. Fine quality-built large older home in University vicinity. Four bedrooms, living room with wood fireplace, dining room, den, large modern kitchen with dinette area, large basement with recreation room and bedroom, new furnace and humidifier, large lot, beautiful trees, close to schools, shopping, transportation, parks. Perfect for large family. Telephone 433-9109 or 429-3297.

For rent—August 15, 1975-July 30, 1976. Modern, furnished, 3-bedroom bungalow, 1,580 sq. ft., fireplace, two bathrooms. Greenfields. \$325/month. Telephone 435-3326 after 5 p.m.

For sale—Deluxe duplex, University Avenue, 3-bedrooms, 2½ baths. Rumpus room with fireplace. Immaculate condition. Fred Murray, Weber Bros. Realty Ltd. 436-2310, 469-3750.

For rent—Two upstairs suites only two blocks from University. 433-4647 evenings.

For rent—Three-bedroom, 2-storey, Belgravia. July 1-August 25. Charlady included. \$500. 436-1167.

For rent—South Garneau. Main floor of house (1,100 sq. ft.) with three bedrooms, partly furnished, with garage and large yard. \$320. Reduced rate for management services. Three-room basement suite. \$140. Three blocks from campus. Call evenings, 439-2980.

For sale—River view acreage: 2-storey cedar home, balconies, patios, 4 bedrooms, 3 baths, fireplace; 487-9156.

For sale—Secluded summer cottage, 100 miles from Edmonton, on one-acre Crown-lease lot, with 300 ft. lakefront. Unique design cottage has two picture windows overlooking lake, sleeping loft, insulated, extras. Call 436-2609; or 432-5216 and leave message for Dr. Schaeffer.

For rent—July-August, 1975-July-August, 1976. Furnished 3-bedroom family home, garage, ½ block from University, bus. \$320/month. 435-2690.

#### Accommodation wanted

Wanted to rent—House or apartment, June 1 to 30. Telephone 487-1959.

Wanted by graduate student—furnished 2 or 3-bedroom house, July 1, 1975-August, 1976. David Eagan, Grand Falls, N.B. Call collect (506) 473-2054.

Wanted—Executive needs furnished home from June 1, or earlier, to September 1. Two adults and one teen-age daughter. References available. West or southwest. 434-6871.

Wanted—Joining faculty; desire 3-bedroom house close to campus. Rent or purchase. W.C. Riddell, RR3, Gananoque, Ontario. Telephone (613) 382-3563.

Wanted—Furnished two- or three-bedroom house/apartment for visiting professor, May - July. 432-3687, 435-2412.

#### Automobiles and accessories

For sale—Hard top tent trailer. Excellent condition. 432-3378, 435-3068.

Wanted—1974 Lionel, sleeps six. 434-4525.

For sale—Audi GL100, 2-door, grey, automatic, sun roof, radio, radials, 17,000 miles, excellent condition, original owner. \$5,600, all serious offers considered. 433-3533, evenings, weekends.

For sale—1967 Volvo 122S, 2-door. \$1,000 (firm). Telephone Joan, 436-5201, evenings and weekends.

For sale—Serviceable 1965 Chev. Rebuilt transmission. Offers. Mike, 436-5201 or 424-6408.

#### Goods and services

Plumbing—For free estimates on basement bathrooms, repairs, alterations etc. call 465-7079 anytime.

HUB Beauty Salon—telephone 433-0240. Winner of award. \$40 perms now \$25. HUB mall.

Custom dressmaking and designing; telephone Jacqueline, 433-4870.

Typing done—Fast, efficient service. Georgina Campbell, 489-4810 evenings.

Expert editing available for report writing, editing assignments, etc. from staff and/or graduate students. 432-4788 afternoons, 488-6669 evenings.

For sale—two speakers, stereo components, AM, FM. Lawn mower. Crib and mattress. 434-5942 after 6 p.m.

For sale—Oak table, 34 x 60, \$40. Exercise attachment for bike. \$25. 8mm movie camera, Sankyo, zoom, case, \$55. Light table, eight 4' lights, hinged dust cover, 8' x 25" work surface, \$200. Call before 9:30 a.m. 433-7376.

For sale—Rickerbaker guitar. A steal at \$280. Telephone 474-5976 after 6 p.m.

For sale—Antiques from England, dining tables, chairs, buffets, display cabinets, bookcases, loo tables, clocks, lamps, brass, copper, porcelain, glass, curios. Mary Goulden Antiques, Horsehill Hall, 5 miles north on Highway 15, then 1½ miles east. Open 1-6 including weekends.

For sale—Sony TC127 stereo cassette deck. \$75. 434-6188 evenings.

Wanted—Duncan Fife corner china cabinet. 434-3068 evenings.

For sale—Antique pendulum clock, \$160. Brass fire tools, \$55. Copper/brass pots, \$15, \$25, \$35. Singer sewing desk, stool, \$75. Baby sleigh, \$12. Card table, chairs, \$60. Packing crates, \$2.50. 454-7545.

Free to good home—male Weimaraner. 439-2564.

For sale—English springer spaniel puppies, champion blood lines, registered. 467-8239.

For sale—Greenhouse clearance. 300 cacti—succulents; great variety. 50 cents and up. Saturday and Sunday, May 3 and 4. Garage, 8420 118 Street.

# Kampus Kobbler

## Shoes and Clothing

10% to 30% off on new spring clothing arrivals

HUB—North America's most unique shopping mall

## Attention New Staff Members

*Library Borrowing Privileges may be obtained by applying to the Circulation Services Office on the second floor of Cameron Library between 8:30 a.m. and 4:30 p.m. Monday through Friday.*

Drs. LeDrew, Rowand, Jones, Rooney, Bain and Associates

Campus Branch, HUB Mall  
8922 112 Street, 439-5878